BRUHATH BENGALURU MAHANAGARA PALİKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/05/2020-21 Dated: 03-09-2020

APPROVED TENDER SCHEDULE –'B'

Item 6

Name of Work :-Providing energy efficient LED Street lights Control Switches and wires to Main roads and around Chowdeshwari ward no:02

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri THILAK C RAM (SANSAM CONTROLS AND AUTOMATION)	
				Rate	Rate in Words
1	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with	Nos	583.00	9655.40	Nine Thousand Six Hundred FiftyFive Paise Fourty Only

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	Supplying and Fixing.....mm dia class A GI pipe bracket up to 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175mm length is fixed for fixing MV/SV/MH/FTL street light fitting of all capacities on rail/RCC/wall/tubular pole, using suitable clamps, bolts, nuts and wiring using suitable capacity wires.Using 40mm dia G.I.Pipe	Each	583.00	1271.99	One Thousand Two Hundred SeventyOne Paise NinetyNine Only
3	Wiring for lighting/power circuit using one of PVC insulated 1100V grade, stranded Aluminium wire single core in open or concealed system of wiring.4 sqmm	Mtrs	800.00	9.45	Nine Paise FourtyFive Only
4	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel	Nos	30.00	20.99	Twenty Paise NinetyNine Only
5	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Each	583.00	183.66	One Hundred EightyThree Paise SixtySix Only
6	Supplying heavy gauge PVC conduit pipe .....dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.25mm dia 2mm thick	Mtrs	50.00	68.22	SixtyEight Paise TwentyTwo Only
7	BESCOM CSR 2018-19 (With out GST) ACSR conductor as per IS-398 (Part - 2/1996) Supplaying of Weasel ACSR (6/2.59 mm Al + 1/2.59 mm St), Std Wt : 128 kgs/km	Mtrs	1000.00	22.62	TwentyTwo Paise SixtyTwo Only
8	LT 2 Pin X Arms - MS (Dwg No. BESCOM/GM/QS&S/32 Dtd 24.11.2018	Nos	28.00	91.31	NinetyOne Paise ThirtyOne Only
9	RCC Pole clamp - MS (Dwg No. BESCOM/GM/QS&S/30 Dtd 24.11.2018)	Nos	30.00	55.62	FiftyFive Paise SixtyTwo Only
10	1.1kV Ceramic Pin Insulator (Shell only)	Nos	25.00	18.89	Eighteen Paise EightyNine Only
11	1.1kV GI Pin FOR 1.1kV Cermaic shell Insulator	Nos	25.00	23.57	TwentyThree Paise FiftySeven Only
12	No.8 Strain Insulator	Mtr	20.00	16.79	Sixteen Paise SeventyNine Only

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	Stringing of conductor (including pin binding, providing jumps, dead ending, etc.,)Weasel	Mtrs	1000.00	26.51	TwentySix Paise FiftyOne Only
14	Fixing of 2 Pin cross arm with insulator and Braces fixing	Nos	28.00	111.25	One Hundred Eleven Paise TwentyFive Only
15	1.1KV Class HR (Heat Resistant) PVC Insulated & UnSheathed Aluminium Wires Multistrand Single core Lead wires as per IS- 694: 2010PVC Wire - 25 Sqmm Al Wt: 6.7 Kgs, Total Wt: 11.5Kgs for 100Mtrs	Mtrs	140.00	33.91	ThirtyThree Paise NinetyOne Only
16	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly 6) Metal	Nos	10.00	54049.25	FiftyFour Thousand FourtyNine Paise TwentyFive Only

Signature of the Contractor

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Yelahanka Division,
BBMP, Bengaluru-64.